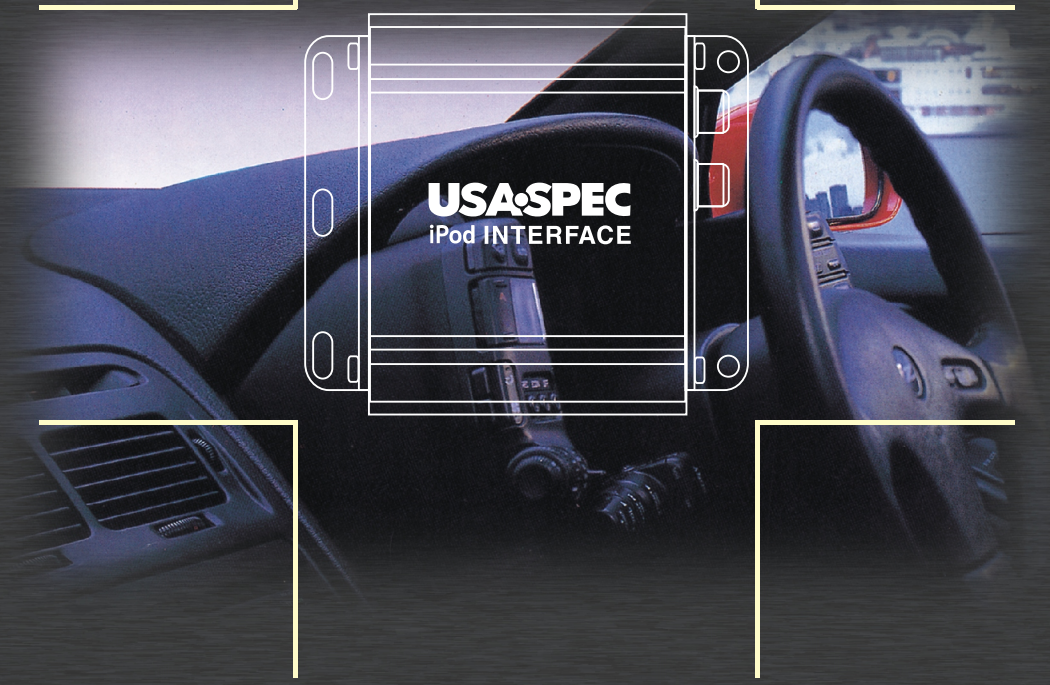
USA-SPEC

Model **PA11-VW6**
iPod to VW car stereo Interface



OWNER'S MANUAL

TECH. SUPPORT
(626)336-3836
9 AM ~ 4 PM PST
M O N ~ F R I

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Thank you for purchasing USA-SPEC product. This manual describes the functions and operation of PA11-VW6 iPod interface for VW cars. Please read this manual before installing the product to your vehicle.

!!IMPORTANT!!

- ❖ It is strongly recommended that the unit is installed in an accessible location, so that it can later be easily reset or upgraded.
- ❖ **Eject ALL CDs from the built-in CD player or CD changer before installation or disconnect the power to radio!!!**
- ❖ USA-SPEC sells its products through authorized dealers so we can insure customers will receive proper services from the dealers. USA-SPEC reserves the right to offer technical support or warranty only on products purchased through authorized USA-SPEC accounts.
- ❖ It is strongly recommended that buy USA-SPEC product from sellers **who provide dedicated phone contact support.** USA-SPEC will not provie technical support or warranty for purchases made through any unauthorized internet sellers.
- ❖ **SAFETY NOTE:** You should always give full attention to driving. Do not operate iPod in such a way that distracts you while you are driving.

!!CAUTION!!

- In general, iPod has not been designed to withstand temperature extremes in automobiles. Please consult your iPod Owner's Manual regarding acceptable operation and storage temperatures.
- Do not disassemble or alter the cable and interface box.
- Make the connections correctly.
- Do not cut away the wire sheath or use the power for other equipments.
- Do not install in locations which might hinder vehicle operation or create hazards for vehicle occupants.
- Having the wiring and installation done by professionals.
- Arrange wiring so it is not crimped or pinched.
- Do not use this product for purposes other than stated for the vehicle.

Section 1. ABOUT YOUR INTERFACE PA11-VW6

This interface connects an iPod directly to your VW audio system. Its on-board software translates commands from your VW CD changer controls into commands that the iPod understands. This interface enables the iPod to take the place of a VW CD changer and provides the following benefits:

- Directs the iPod's audio output to VW vehicle audio system for optimal sound quality playback.
- Controls the iPod via vehicle's radio and steering wheel controls.
- Charges the iPod's internal battery, and charging stops automatically at one hour after iPod is paused. iPod will go to SLEEP mode after charging.

Future firmware updates for your iPod may affect the features and functions described in this owner's manual.

Display of artist and song title information, track search by artist, song title, album or genre are NOT supported. Only the Playlist number and track number are displayed on radio.

This interface is designed as an alternative replacement to the VW 6 disc CD changer unit in your VW vehicle. Therefore it is not possible to have the slave VW 6 disc CD changer and PA11-VW6 iPod interface simultaneously connected to your VW radio. The CD changer which is built-in the VW radio is not affected.

Package Contents

PA11-VW6 contains one each of PA11-VW6 interface adopter, CAS-VW6 and CB-PA14 cables.

Applications

PA11-VW6 is applicable to the following VW vehicles:

Cabrio	98-04	Jetta	98-07	Rabbit/GTI	06-07
Beetle	98-07	Passat	98-07		
Golf	98-05	Euro Van	01-04		
GTI	98-05	Touareg	04-07		

Note: 1998~2000 year radios must have round SCAN button.
PA11-VW6 is not applicable to some 98-99 year models equipped with BOSE or Premier radio that have 13-pin DIN plug.

Section 2. HYBRID MODE, DIRECT MODE and AUX OPTION

PA11-VW6 provides two ways to control your iPod through the car radio, namely ***Hybrid Mode*** and ***Direct Mode.***

DIP switch #2 is for mode selection use. **"ON"** position is for ***Hybrid Mode*** and **"OFF"** position is for ***Direct Mode.***

2-1 ***Direct Mode*****:** Search and select music on iPod directly just as you would in portable use. The music will play back through your car stereo. Use the track up/down, fast forward, and reverse buttons on your radio to control music playback. All control functions on iPod are available to use too. Please see Section 4 of this manual for additional information.

2-2 ***Hybird Mode*****:** This mode allows you to access up to 5 playlists on the iPod from the radio. The instructions for playlist creation and playback controls are in Section 5 of this manual. **Additionally, while in *Hybrid Mode*, the keypads and the display on the iPod function as if it were in *Direct Mode* or in portable use.**

- If the playback of a Playlist is manually interrupted by using the iPod's key pad, and a song or music in a new category is played, the interface module memorizes the last played track number of the new category. "New category" means file, or folder, or Playlist, or artist, etc. which is different from the Playlist being played. When you return to the same DISC on radio later, the interface module will use the "memorized" track number (note: just the track number, not the last played song in the new category) to playback the Playlist related to this DISC.

- When the iPod is connected to the interface module, the iPod will take approximately 30 seconds to complete its external control mode configuration. During this period of time, the iPod screen's display will continue to change until the configuration is completed.

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- While in Hybrid Mode, you can also fast forward and fast reverse the music track with the fast forward and fast reverse buttons on your radio.

- For those USA-SPEC iPod interface products which support TEXT display on radio, the TEXT dispaly features is supported in Hybrid Mode.

- *G3 iPod is not fully compatible with Hybrid Mode. The screen of G3 iPods will be* ***locked to "OK to DISCONNECT" display****. The Playlist on iPod can be accessed through the DISC locations on radio, but user can not operate the keys on iPod directly when DIP switch #2 is at ON position. However, G3 iPod s are fully compatible with Direct Mode.*

Note: Disconnect iPod from PA11-VW6 before switching DIP switch #2 for mode alteration.

2-3 Additional AUX INPUT Option Selection

PA11-VW6 interface adaptor is capable of connecting two audio sources to your VW radio including the iPod. The additional audio source connects to the RCA input jack labeled as AUX INPUT. If you choose to use AUX INPUT, the DIP switch #1 at the side of adaptor box must be set to "OFF" position (factory presets it at "ON" position).

The audio source at AUX INPUT can be accessed at CD 6 Track 1 after selecting CD changer source on the radio. CD 1 to CD 4 are for accessing Playlists and CD 5 is for accessing all songs on iPod.

Operation of AUX

If the "AUX INPUT" option is selected, radio will display "CD 6 Track 1" when AUX button is pressed. "CD 6 Track 1" gives access to the audio source connected to AUX INPUT port.

2-4 DIP Switch Setting Summary

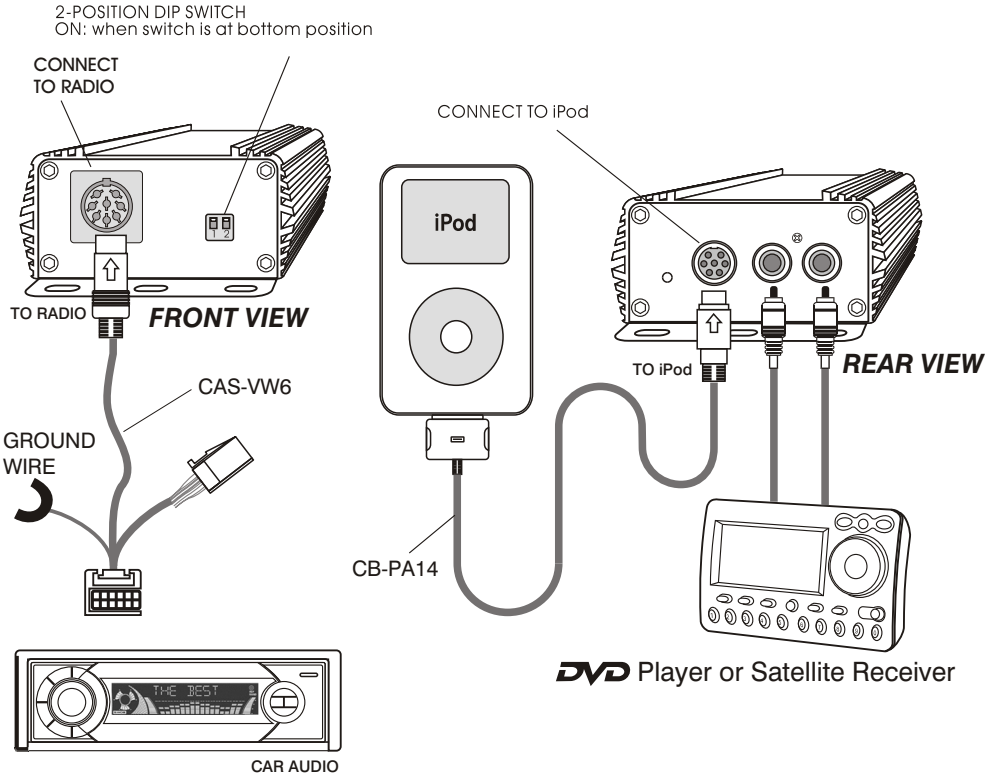
DIP Switch	Position	Function
#1	ON	RCA Aux Input Disabled
#1	OFF	RCA Aux Input Enabled
#2	ON	Hybrid Mode Selected
#2	OFF	Direct Mode Selected

Section 3. INSTALLATION

3-1 Instruction of USA-SPEC Cable Installation for VW without SAT

Step 1- Remove radio from the dash.
Step 2- Plug the round din plug on CAS-VW6 to PA11-VW6 interface adaptor where it is labeled "RADIO" .
Step 3-a- Plug the WHITE or BLUE (depending on whichever one fits) connector on CAS-VW6 cable to radio's CD changer connector. (If a CD changer exists, disconnect it first.)
Step 3-b- **Connect the BLACK color ground wire on CAS-VW6 cable to radio's metal chassis.**
Step 4-a- Connect the audio output of your auxiliary devices to AUX input jack on PA11-VW6 adapter box if the additional AUX option is selected by setting the DIP swich #1 to "OFF" position.
Step 4-b- Set the DIP switch #2 to "OFF" position only if the ***Direct Mode*** is preferred.
Step 5- Plug CB-PA14 cable to PA11-VW6 adaptor box where it is labeled " iPod ".
Step 6- Reinstall radio to the dash.

WARNING!!
Use only the iPod connection cable which comes with PA11-VW6 interface adaptor.
iPod connection cables from other sources may look similar, but they may damage your iPod.



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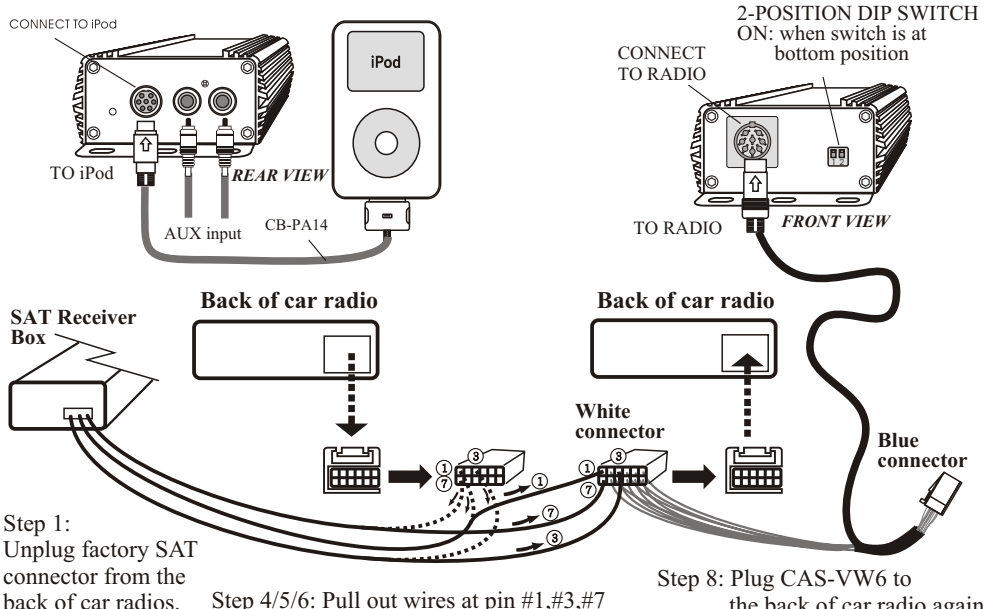
3-2 Instruction of USA-SPEC Cable Installation for VW Equipped with SAT Receiver.

To retain your SAT reception, three wires on factory SAT connector need to be moved to the white connector on USA-SPEC cable. Please follow the steps below to accomplish the installation.

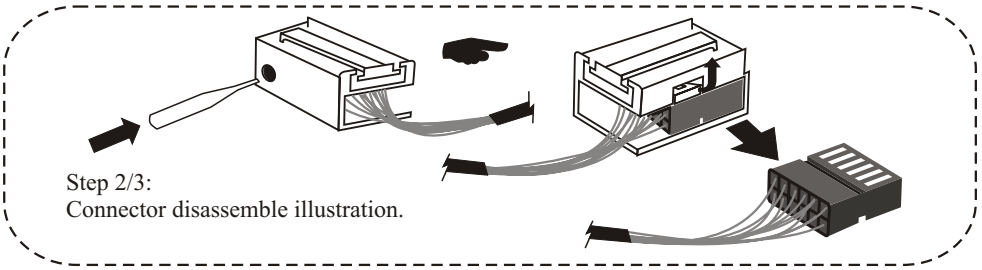
Step 1. Unplug the 12-pin blue color factory SAT connector at the back of the radio.
Step 2. Reference the drawing below to disassemble the connectors. Pushing the inner piece of the connector with a small tool through the open hole at the side of connector.
At meantime, push the horizontal bar on the other side of connector upward to release the latch. The inner piece of the connector will slid out.
Step 3. Referrnce the drawing below, pull out the wire at pin #1 on factory SAT connector with a tool. Reference the drawing below, raise the key on the pin and insert it into pin #1 of white connector on USA-SPEC connector.
Step 4. Referrnce the drawing below, pull out the wire at pin #3 on factory SAT connector with a tool. Reference the drawing below, raise the key on the pin and insert it into pin #3 of white connector on USA-SPEC connector.
Step 5. Referrnce the drawing below, pull out the wire at pin #7 on factory SAT connector with a tool. Reference the drawing below, raise the key on the pin and insert it into pin #7 of white connector on USA-SPEC connector.
Step 6. Pull out the wire at pin #7 of factory SAT connector and insert it into pin #7 of white connector on USA-SPEC cable.
Step 7. Assemble the white connector on USA-SPEC cable by push the inner piece into the outer piece.
Step 8. Plug the white connector on USA-SPEC cable CAS-VW6 to the back of radio again.



Step 1: Unplug factory SAT connector from the back of car radios.

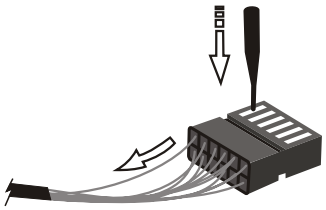
Step 4/5/6: Pull out wires at pin #1,#3,#7 and insert into pin #1,#3,#7 of black inner piece of white connector at CAS-VW6.

Step 8: Plug CAS-VW6 to the back of car radio again

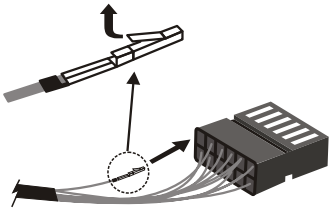


Step 2/3:
Connector disassemble illustration.

To pull out wires at pin #1, #3, #7:
pull the wire tight while press
the key by using a pinset as shown.



To insert the wires into pin #1, #3, #7:
raise the key up as shown,
then insert into the pin hole



Section 4. CONNECTING & PLAYING of iPod in DIRECT MODE

When the iPod is connected to the adaptor, iPod 's screen will go blank for few seconds before the normal screen returns. Set source to CD changer on your radio, the audio of iPod music will be played back at DISC 5 and Track 1. Adjust VOLUME, BASS, TREBLE and etc. as you would normally do for the other program sources on the radio.

Section 5. CONNECTING & PLAYING of iPod in HYBRID MODE

5-1 Connecting iPod to the interface

After connection, the iPod will take a few moments to change to external control mode.

5-2 Select iPod mode on VW radio

Press the CD button on radio repeatedly until "CD 6-x" appears on the radio display (x is the track number of "Now Playing" song on iPod). This display confirms that iPod mode has been completely synchronized and activated. Synchronization timing varies according to the number of Playlists on your iPod .

If iPod was playing previously before radio or ACC power was OFF, and the iPod was not disconnected, playback resumes from where it was stopped.

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5-3 Disconnecting iPod from the interface

If your iPod is disconnected during playback in iPod mode, the radio will automatically switch to AM/FM mode.

After disconnecting, iPod screen changes from the external control mode screen back to the normal menu. Press and hold the Play/Pause button on iPod may get the normal menu back faster.

5-4 Playback of songs on iPod

All audio tracks on your iPod will be played at disc 6. Track order is determined by the default order on your iPod. Selecting disc 1 to disc 5 on radio will allow playback of 5 Playlists on iPod if adapter's AUX option is not selected. Every time when iPod is connected to the interface adapter, the playback starts from "Now Playing" song at disc 6 by default. If iPod was playing any of its Playlist right before the connection, the same Playlist will continue to play and repeated at disc 6 and iPod will switch to "All" as soon as the fast forward button (►►) is pressed.

5-5 Selecting a Playlist

Press DISC selection button on radio to select a Playlist. The selected Playlist will begin playing and the Playlist number and track number will be displayed. In rare cases, this may take up to few seconds for the completion of synchronization.

After playing the last song in the current Playlist, playback will start again from the first track of this Playlist.

Playlist naming

- When iPod is connected to your radio via PA11-VW6 interface adapter, the adapter scans all available Playlists on iPod and look for designated VW Playlists which are created for direct access with the DISC controls on VW radio. The designated VW Playlists are related to DISC number in the following manner:

  DISC 1: VW1...
  DISC 2: VW2...
  DISC 3: VW3...
  DISC 4: VW4...
  DISC 5: VW5...
  DISC 6: ALL SONGS on iPod

The naming of designated VW Playlists in iTune for PA11-VW6 interface must be exactly as shown. VW must be in capital letters and there can be no spaces between VW text and number.

However, you may add any text after the correct naming of a Playlist.
(i.e. VW1-Jazz, VW3_Favorite3 are acceptable Playlist names for PA11-VW6 iPod interface.)

- If no designated VW Playlists are created, PA11-VW6 adapter automatically relates to the first five Playlists on iPod to DISC number 1 to 5 regardless Playlist naming.

- If less than five designated VW Playlists are created, PA11-VW6 adapter automatically fills up the rest of DISC numbers beginning with the first available Playlist on iPod .
  Example: if only three designated VW1, VW3 and VW5 Playlists are created, the disc number on radio will be:

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DISC 1: VW1...
DISC 2: (1st available Playlsit on iPod)
DISC 3: VW3...
DISC 4: (2nd available Playlist on iPod)
DISC 5: VW5...

The iPod interface does not recognize a Playlists that contains no audio tracks regardless of Playlist naming. The iPod interface also does not recognize the "On-The-Go" Playlist on your iPod .

5-6 Playback function controls

You can control playback with several functions. These functions are generally cancelled when you press select radio buttons; disconnect the iPod, or POWER OFF the radio or ACC.

SCAN

Press the scan button, each track in the current Playlist play for 10 seconds. If SCAN is pressed at DISC 6, it will play all songs in iPod for 10 seconds each.

Random (Shuffle)

Press the "RDM" random button, songs and Playlist will playback in random order.
Some radio models use the "P scan" button to activate random mode.

Repeat

Repeat of a song being played is not supported.

Track Up/Down

Press the "NEXT" button to advance to the next track in the Playlist. Press the "PREV" button to go to the beginning of the track that is being played. Press the track down button twice to go to the previous track.

If the track up or track down buttons is pressed quickly in repetition, the track numbers displayed may change unevenly. You may also hear short bits of audio during repeated presses of track up and track down buttons.

If your VW radio currently displays a maximum of two digits for track number. Track number 100 will be displayed as 01, track 101as 02, track 102 as 03...

Changing source to AM/FM, CD, Cassette

When a source other then the iPod is selected on radio, the iPod will pause.

Note: iPod and iTune are registered trade marks of Apple Computer, Inc.
XM is a trade mark of XM Satellite Radio Inc.
VW is a registered trade mark of Volkswagen Group.
Design and specifications are subject to change without notice.

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LIMITED WARRANTY

Thank you for choosing a USA SPEC product. LTI Enterprises Inc., is committed to providing high quality defect free products. All USA SPEC products are tested before leaving the factory and are warranted against defects in materials and workmanship for a period of one year to the original owner. The one-year warranty period begins at the date of manufacture or the date of original installation. Please see installation registration below.

PRODUCTS COVERED :
Products and related accessories supplied by LTI Enterprises Inc. with the brand name of USA SPEC are covered by this warranty. Only products purchased in the U.S.A. is covered.

WARRANTY DOES NOT COVER :
1. Damage due to improper installation, operation, accident, negligence, abuse, or not following instructions, warnings, and acceptable industry procedures.
2. Damage caused during the shipment or transportation of the product. All claims of this nature must be presented to the carrier.
3. Damage caused by acts of God, War, or civil disturbance, including without limitation, flood, fire, storms, earthquake or other acts of nature.
4. Any expenses or cost to remove or reinstall products.
5. Any product without the original serial number and factory seal, or has been serviced or modified without the authorization of LTI Enterprises Inc.
6. Any product not distributed by an authorized LTI Enterprises Inc. Dealer.

INSTALLATION REGISTRATION :
To provide warranty coverage from the date of installation the limited warranty registration card with this information must be completed and returned to LTI Enterprises Inc. within thirty(30) days of the installation.

TO OBTAIN WARRANTY SERVICE :
Contact the Customer Service center printed on the back of this manual for assistance. A detailed description of the problem(s) is required for service. Proof of purchase is also required when sending a product for warrant service. If the problem cannot be resolved and the product must be returned for service you will receive an authorization from the service center. The product must be delivered pre-paid to the service center. LTI Enterprises Inc. will, at our option, repair the product or replace it with new or reconditioned product, and if it was shipped to the service center, the return shipping will be pre-paid free of charge provided the repairs are covered by the warranty. The product must be packed securely for shipment to the service center in order to preserve the warranty and prevent damage.

NO IMPLIED WARRANTY, INCLUDING MERCHANTABILITY AND FITNESS FOR USE, APPLIES TO THIS PRODUCT AFTER THE ONE YEAR PERIOD AS DEFINED ABOVE, AND NO OTHER EXPRESSED WARRANTY OR GUARANTEE, EXCEPT AS MENTIONED ABOVE, GIVEN BY ANY PERSON, FIRM OR CORPORATION WITH RESPECT TO THIS PRODUCT SHALL BIND THE WARRANTOR. NEITHER THE WARRANTOR NOR ANY OTHER PERSON, FIRM OR CORPORATION, IS RESPONSIBLE FOR LOSSES OR INCONVENIENCES, OR FOR ANY CONSEQUENTIAL DAMAGES CAUSED BY THE PRODUCT. SOME STATES/PROVINCES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, AND SOME DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTIAL OR CONSEQUENTIAL DAMAGES.

This warranty gives you specific legal rights, and you may also have other rights, which vary, from state to state and province to province. Some of the limitations or exclusions may not apply to you.

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Model PA11-VW6
iPod to VW car stereo Interface

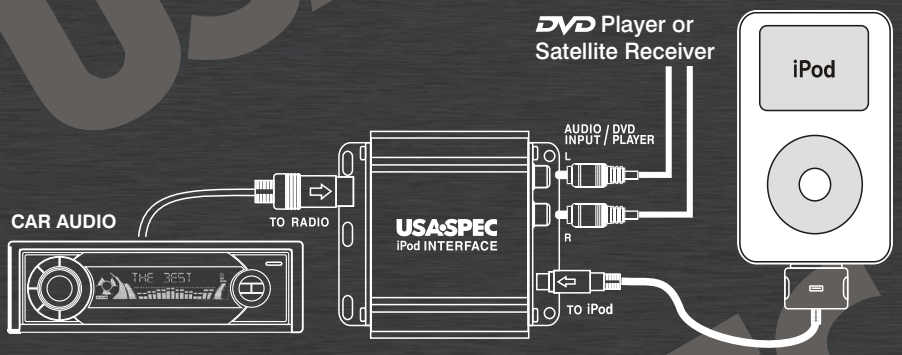
PLAY, CONTROL & CHARGE

Your iPod through VW Car Stereo System!

KEY FEATRES

This interface connects an iPod or iPod mini directly to your VW audio system with following benefits :

- Connect directly iPod's audio output to VW vehicle audio system for optimal sound quality playback.
- ***Hybrid Mode***: Playlists and songs on the iPod can be accessed by using the radio's CD DISC buttons, as well as by using the click wheel on the iPod.
- In ***Direct Mode***: Search and select songs directly on iPod.
- Maintain current Playlist when switching from portable to in-car use.
- Charge the iPod battery while playing, charging automatically ends at one hour after iPod is paused to prevent car battery drain.
- Plus-DVD player, Satellite radio or other audio device can be used in conjunction with the iPod through Aux Audio Input jack.
- Plug-n-Play : This complete package includes installation cables, mounting screws and user's manual.



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APPLICATIONS

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XM is a trade mark of XM Satellite Radio Inc.
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